

Converting Colors

XYZ(36.4205, 22.4904, 12.2715)

Have a look what the booklet for
XYZ(36.4205, 22.4904, 12.2715)
contains.

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Color

**XYZ(36.5371, 22.5571,
12.3258)**

Conversions

Conversions Part 1

Format	Color
Hex	E44D5B
RGB	228, 77, 91
RGB Percent	89%, 30%, 36%
CMY	0.1059, 0.6980, 0.6431
CMYK	0.00, 0.66, 0.60, 0.11
HSL	354°, 74%, 60%
HSV	354°, 66%, 89%
XYZ	36.5371, 22.5571, 12.3258
YIQ	123.7450, 85.5020, 36.3660

Conversions

Conversions Part 2

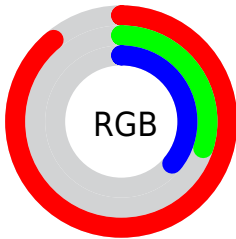
Format	Color
R_{YB}	228, 77, 91
Decimal	14962011
CIE Lab	54.61, 59.19, 25.00
CIE LCh	55, 64.249, 22.897
Yxy	22.5571, 0.5116, 0.3158
Android (android.graphics.Color)	4293152091 (0xFFE44D5B)
YUV	123.7450, -16.1433, 91.4316
Hunter-Lab	47.4943, 54.2040, 17.8590

Details

The XYZ color **36.5371, 22.5571, 12.3258** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **42.9433, 61.9201, 73.3125**, and the grayscale version is **19.1066, 20.1016, 21.8907**.

A 20% lighter version of the original color is **54.5728, 40.2333, 30.0888**, and **16.2190, 8.3042, 3.3328** is the 20% darker color. If you saturate the color by 10%, you get **34.4391, 19.5980, 7.8140**, and if you desaturate by 10%, it is **39.4410, 26.7347, 18.3199**.

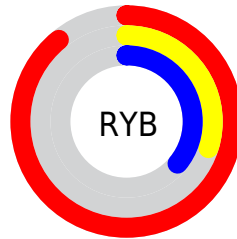
Distribution



Red (89%)

Green (30%)

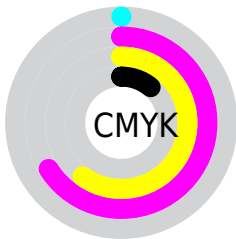
Blue (36%)



Red (89%)

Yellow (30%)

Blue (36%)

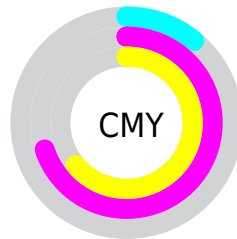


Cyan (0%)

Magenta (66%)

Yellow (60%)

Black (11%)



Cyan (11%)


Magenta (70%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5371, 22.5571, 12.3258 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 36.5371, 22.5571, 12.3258 by changing the saturation by 10% instead.

 36.5371, 22.5571,
12.3258


 36.5371, 22.5571,
12.3258

322.6925,
265.4419, 217.6043


 25.0213, 14.2668,
6.8407


 69.1787, 47.6651,
30.7603

 16.2218, 8.3065,
3.2858


 91.0353, 65.2515,
44.5469


 9.7731, 4.2917,
1.2423


 117.0695, 86.7055,
61.9377

 5.3099, 1.8380,
0.0138

 147.6467,
112.4114, 83.3513

 2.4668, 0.5107,
0.0000

 183.1322,
142.7536, 109.2062

 0.8785, 0.0000,
0.0000

223.8915,

 0.0000, 0.0000,

178.1165, 139.9210

0.0000

270.2898,
218.8845, 175.9142

■ 36.5371, 22.5571,
12.3258

■ 36.5371, 22.5571,
12.3258

■ 34.4391, 19.5980,
7.8140

■ 39.4410, 26.7347,
18.3199

■ 33.0632, 17.7225,
4.6537

■ 43.2200, 32.2394,
25.9096


■ 32.3092, 16.7692,
2.6923


■ 47.9378, 39.1721,
35.1985


■ 32.1312, 16.5485,
2.2163

■ 53.6517, 47.6229,
46.2811

■ 60.4144, 57.6745,
59.2449

 68.2749, 69.4034,
74.1716

 77.2790, 82.8816,
91.1383

 85.8047, 95.2339,
108.4673

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.9321, 22.5571, 29.6898



36.5371, 22.5571, 12.3258



30.7176, 22.5571, 4.7702

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.5371, 22.5571, 12.3258



12.3321, 22.5571, 7.7790



19.8044, 22.5571, 86.8801

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36.5371, 22.5571, 12.3258



42.9433, 61.9201, 73.3125

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



14.2481, 22.5571, 70.4567



36.5371, 22.5571, 12.3258



10.5920, 22.5571, 20.0595

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.5371, 22.5571, 12.3258



16.5793, 22.5571, 3.3325



11.2069, 22.5571, 43.0084



27.1681, 22.5571, 80.6170

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.5371, 22.5571, 12.3258



25.6858, 22.5571, 2.9900



11.2069, 22.5571, 43.0084



17.6896, 22.5571, 83.6224

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36.5376, 22.5584, 12.3262



74.3075, 69.0356, 69.5525



44.0698, 25.0418, 75.9091



15.3800, 13.9964, 13.8805



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.5376, 22.5584, 12.3262



43.7151, 24.3273, 8.5596



42.3381, 35.0367, 11.5544



14.4310, 14.3896, 15.2038



18.5727, 9.5633, 1.3786



1.3911, 0.7142, 0.2002

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36.5376, 22.5584, 12.3262



43.7151, 24.3273, 8.5596



30.9944, 35.0387, 78.5279



14.4310, 14.3896, 15.2038



18.5727, 9.5633, 1.3786



1.3911, 0.7142, 0.2002

Previews

White Background



This preview shows how the XYZ color 36.5371, 22.5571, 12.3258 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 36.5371, 22.5571, 12.3258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.5371, 22.5571, 12.3258

Background



This preview shows how black text looks on a background with the XYZ color 36.5371, 22.5571, 12.3258.



This preview shows how white text looks on a background with the XYZ color 36.5371, 22.5571,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36.5371, 22.5571, 12.3258

Protanopia

21.5273, 22.7888, 19.4837

Deuteranopia

22.9955, 22.5609, 11.3263



Tritanopia

36.2806, 22.5673, 10.6273

Trichromacy



Original Color

36.5371, 22.5571, 12.3258

Protanomaly

24.8635, 20.9555, 16.3700

Deuteranomaly

26.5707, 21.4643, 11.5467

Tritanomaly

36.3990, 22.6146, 11.2507

Monochromacy



Original Color

36.5371, 22.5571, 12.3258

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

23.0826, 19.3666, 17.8508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5371, 22.5571, 12.3258 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(228, 77, 91)` looks like.

```
.text, #text, p{  
    color:rgb(228, 77, 91)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(228, 77, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 77, 91) }
```

Border

The CSS property to change the border of an element to XYZ 36.5371, 22.5571, 12.3258 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 77, 91) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(228, 77, 91) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(228, 77, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 77, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 77, 91);  
box-shadow:4px 4px 4px 4px rgb(228, 77,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5371, 22.5571, 12.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 77, 91) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(228, 77,  
91) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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